

CLAIMS

We claim:

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1. A pharmaceutical composition comprising a non-ionizable anthelmintic drug or derivative thereof loaded onto an anion exchange resin or a cation exchange resin.

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2. The pharmaceutical composition of claim 1 in which said non-ionizable anthelmintic is praziquantel, a praziquantel derivative, epsiprantel, or an epsiprantel derivative.

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3. The pharmaceutical composition of claim 2 in which said composition further comprises a therapeutically effective dosage to treat a mammal, said therapeutically effective dosage providing for an anthelmintic spectrum of activity against one or more of *Dipylidium caninum*, *Taenia pisiformis*, *Echinococcus multilocularis*, *E. granulosus*, and *Taenia taeniaeformis*, *Toxocara*, *Ancylostoma*, *Uncinaria*, *Toxascaris*, and *Trichuris*.

4. The pharmaceutical composition of claim 3 in which said therapeutically effective dosage is in the range of 3 to 100 mg/kg.

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5. The pharmaceutical composition of claim 1 in which said anthelmintic drug is selected from the group consisting of Droncit, a derivative of Droncit, a precursor of Droncit, Drontal, a precursor of Drontal, a derivative of Drontal, Drontal Plus, a derivative of Drontal Plus, a precursor of Drontal Plus, a formulation comprising Praziquantel and

460 Pyrantel Pamoate, and a formulation comprising Praziquantel, Pyrantel Pamoate and/or Febantel.

6. A pharmaceutical composition comprising a basic anthelmintic drug loaded onto an anion exchange resin.

7. A pharmaceutical composition comprising an acidic anthelmintic
465 drug loaded onto a cation exchange resin.

8. A process for manufacturing a pharmaceutical composition comprising, loading onto a non-ionized form of a resin a non-ionized anthelmintic drug or derivative thereof.

9. A process for manufacturing a pharmaceutical composition
470 comprising, loading onto an anion exchange resin in a non-ionized form a basic form of an anthelmintic drug or derivative thereof in a non-ionized form.

10. A process for manufacturing a pharmaceutical composition, comprising, loading onto a cation exchange resin in a non-ionized form an
475 acidic form of an anthelmintic drug or derivative thereof in a non-ionized form.

11. A pharmaceutical composition comprising a first therapeutically effective amount of a non-ionizable anthelmintic drug or derivative thereof loaded onto an anion exchange resin, and a second therapeutically effective
480 amount of said non-ionizable drug or derivative thereof loaded onto a cation exchange resin, whereby selective release of said drug is provided *in vivo*.